DT03 Rec'd PCT/PTO 1.5 OCT 2004

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FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OF (REV. 01-2003)	ATTORNEY 'S DOCKET NUMBER						
TRANSMITTAL LETTER TO THE UNITED							
DESIGNATED/ELECTED OFFICE (DO/E							
CONCERNING A FILING UNDER 35 U.S.	C. 371 1U/511999						
PCT/US03/12057 INTERNATIONAL FILE 19 April 2003							
TITLE OF INVENTION IMPROVED MCU BASED HIGH ENERGY IGN	ITION						
APPLICANT(S) FOR DO/EO/US Michael A.V. Wa	rd						
Applicant herewith submits to the United States Designated/Elected Off							
1. X This is a FIRST submission of items concerning a filing under 3							
2. This is a SECOND or SUBSEQUENT submission of items con	cerning a filing under 35 U.S.C. 371.						
3. This is an express request to begin national examination procedulitems (5), (6), (9) and (21) indicated below.	ares (35 U.S.C. 371(f)). The submission must include						
4. The US has been elected (Article 31).							
5. X A copy of the International Application as filed (35 U.S.C. 371(****						
a. is attached hereto (required only if not communicated	by the International Bureau).						
b. has been communicated by the International Bureau.							
c. X is not required, as the application was filed in the Unite	· , ,						
6. An English language translation of the International Application	as filed (35 U.S.C. 371(c)(2)).						
 a. is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d) 							
7. X Amendments to the claims of the International Application under	• •						
a. are attached hereto (required only if not communicated							
b. have been communicated by the International Bureau.	, o,						
c. have not been made; however, the time limit for making	g such amendments has NOT expired						
d. X have not been made and will not be made.	g such amonomonio has 1101 expired.						
	a under BCT Article 10 (25 H S C 271 (a)(2))						
 8. An English language translation of the amendments to the claims 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 	s under FC1 Afficie 19 (33 0.S.C. 3/1 (c)(3)).						
<u> </u>							
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
Items 11 to 20 below concern document(s) or information included:							
11. An Information Disclosure Statement under 37 CFR 1.97 and 1	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12. An assignment document for recording. A separate cover shee	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13. A preliminary amendment.	A preliminary amendment.						
14. X An Application Data Sheet under 37 CFR 1.76.	An Application Data Sheet under 37 CFR 1.76.						
A substitute specification.							
16. X A power of attorney and/or change of address letter.	A power of attorney and/or change of address letter.						
17. A computer-readable form of the sequence listing in accordance	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.						
18. 🛣 A second copy of the published international application under	A second copy of the published international application under 35 U.S.C. 154(d)(4).						
19. A second copy of the English language translation of the interm	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						
20. Other items or information:							
• •	2.7.72						

10/511999

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) PC INTERNATIONAL APPLICATION NO.				ATTORNEY'S DO 6050 P5	CKET NUMBER 7 US		
21. X The following fees are submitted:				CAI	CALCULATIONS PTO USE ONLY		
BASIC NATIONAL							
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO							
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$900.00							
International prelin but international se	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO						
but all claims did n	ot satisfy provisio	ns of P	7 CFR 1.482) paid to US CT Article 33(1)-(4)	\$720.00			
and all claims satis	fied provisions of	PCT A	7 CFR 1.482) paid to US rticle 33(1)-(4)	\$100.00	\$ 72	20	<u> </u>
	0 for furnishing th	e oath	or declaration later than 3		\$ ₁₃		
CLAIMS	NUMBER FILE	D I	NUMBER EXTRA	RATE	\$,,,	
Total claims	20 - 20		0	x \$18.00	\$	0	1.
Independent claims	2 -3	=	0	x \$84.00	\$	0	
MULTIPLE DEPENI	DENT CLAIM(S)	(if app		+ \$280.00	\$		
	TOT	AL O	F ABOVE CALCU	LATIONS =	\$ 85	50	
Applicant claim are reduced by 1	s small entity state		37 CFR 1.27. The fees i		\$ 42		
			SU	BTOTAL =	\$ 42	2.5	1
Processing fee of \$13 from the earliest claim	30.00 for furnishir med priority date	g the E (37 CF)	English translation later the 1.492(f)).	an 30 months	\$		
			TOTAL NATIO	NAL FEE =	\$ 425	.)	
Fee for recording the accompanied by an a	enclosed assignm ppropriate cover s	ent (37 sheet (3	CFR 1.21(h)). The assign CFR 3.28, 3.31). \$40.0	gnment must be 00 per property +	\$		
			TOTAL FEES E	NCLOSED =	\$ 42	25	
					Amor	unt to be efunded:	\$
						charged:	\$
a. A check in the amount of \$ 425 to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No.03-2410 A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.							
Jerry Cohen, Esq. Perkins, Smith & Cohen LLP							
One Beacon		/11C1I	TTI	Jerry	y Co	hen	J
Boston, MA				NAME			
(617) 8 54 -				REGISTRA	O 2 OTION N	NUMBER	



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TRANSMITTAL LETTER TO THE UNITED STATES RECEIVING OFFICE

Date	15 October 2004		
International Application No.	PCT/US03/12057		
Attorney Docket No.	6060 P57 US		

	EL449	9703990US Exp certify that the Addressee" ser		nce attached hereto is being o		the United Sta	Date of Deposit ates Postal Service "Express Mail Post Commissioner for Patents, Washington,
	O.C. 202	ama 3	person mailing correspo	ndence		Jackson	ne of person mailing correspondence
11.	Signature Screen mailing correspondence Typed or printed name of person mailing correspondence New International Application TITLE IMPROVED MCU BASED HIGH ENERGY IGNITION Earliest priority date (Day/Month/Year) 04/19/2002 SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign tranmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply): A. The invention disclosed was not made in the United States. B. There is no prior U.S. application relating to this invention. C. The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the						
	attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.) application no. 60/374,019 filed on April 19, 2002 application no. 60/432,161 filed on 19 December 2002 D. If the present international application contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages and DOES NOT ALTER MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. Sec 37 CFR 5.15						
III.	III. A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed: A. A Request for An Extension of Time to File a Response B. A Power of Attorney (General or Regular) C. Replacement pages:						
		pages		of the request (PCT/RO/1			of the figures
		pages		of the description of the claims	page	s	of the abstract
	D. [حصتنا ہ	of Priority Documents	<u> </u>			
Priority document E. Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex							
IV. A Request for Rectification under PCT 91 A Petition A Sequence Listing Diskette							
V. Other (please specify):							
		Applic	cant	Jerry Cohen, Reg. No	. 20,522		
The per signing form is	this	Attorr	ney/Agent (Reg. No.)	Typed name of signer			
		Comm	non Representative		h	Signature	merce: Patent and Trademark Office